**Supplementary Table 2. Information of primary antibodies.**

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| Antibodies | Source | Identifier |
| METTL13 | GeneTex | Cat# GTX120626; RRID: AB\_10732544 |
| β‐actin | Proteintech | Cat# 66009-1-lg; RRID: AB\_2687938 |
| GAPDH | Cell Signaling Technology | Cat# 5174S; RRID: AB\_10622025 |
| N-cadherin | Abcam | Cat# ab76011; RRID: AB\_1310479 |
| E-cadherin | Abcam | Cat# ab40772; RRID: AB\_731493 |
| HIF-1α | Santa Cruz Biotechnology | Cat# sc-71247; RRID: AB\_1124904 |
| c-Myc | Santa Cruz Biotechnology | Cat# sc-40; RRID: AB\_627268 |
| p-PI3 Kinase p85 | Cell Signaling Technology | Cat# 4228S; RRID: AB\_659940 |
| PI3 Kinase p85 | Cell Signaling Technology | Cat# 4257; RRID: AB\_659889 |
| p-AKT1/2/3 | Santa Cruz Biotechnology | Cat# sc-7985; RRID: AB\_667741 |
| Akt1/2/3 | Santa Cruz Biotechnology | Cat# sc-8312; RRID: AB\_671714 |
| p-mTOR (Ser2448) | Cell Signaling Technology | Cat# 5536S; RRID: AB\_10691552 |
| mTOR | Cell Signaling Technology | Cat# 2983; RRID: AB\_2105622 |